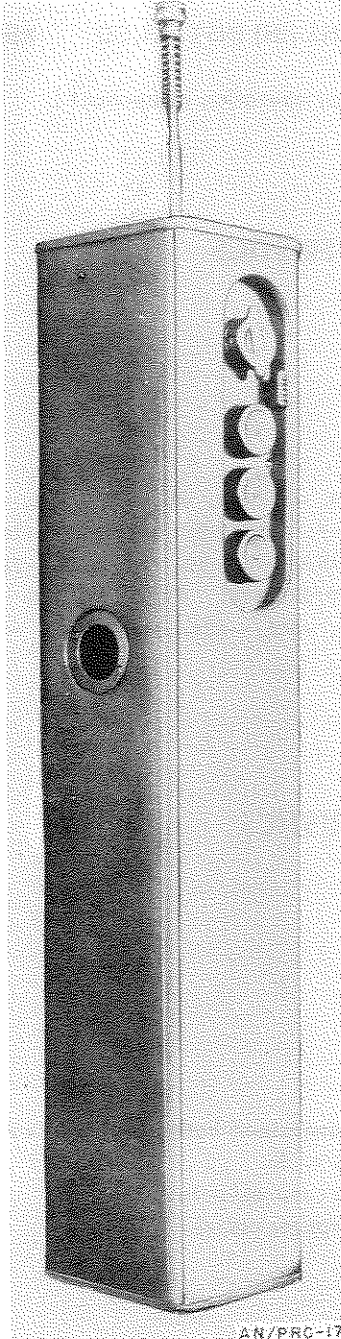


STATUS: Standard  
CLASSIFICATION OF EQUIPMENT: Restricted  
USING SERVICE: Navy  
DATE OF THIS SHEET: 23 Jun 52

# AN/PRC-17

RADIO SET



AN/PRC-17

Radio Set AN/PRC-17 is a hand-held, a-m (mcw and voice), emergency search and rescue transmitter-receiver for u-h-f/v-h-f communication between life-rafts and ships, or searching aircraft.

All components of this set are contained in a light-weight, watertight, metal case.

The transmitter operates on either of two crystal-controlled channels.

The receiver is of the superregenerative type and operates at either of the two frequencies selected for the transmitter.

The equipment may transmit an audio tone which can be keyed at a slow rate, these signals have a slightly greater range than the voice signals.

The range over salt water to aircraft at 2,000-foot altitude is approximately, 15 miles, or 30 miles at an altitude of 5,000 feet or more. The range over land is approximately, half the range over salt water.

<b>AN/PRC-17</b>	INSTRUCTION LITERATURE: Manuscript AN/PRC-1 (XN)
	CLASSIFICATION OF EQUIPMENT: Restricted
RADIO SET	USING SERVICE: Navy
	DATE OF THIS SHEET: 23 Jun 52

### MAJOR COMPONENTS

QUANT            NAME OF COMPONENT            DIMENSIONS (IN) INSTALLED            WEIGHT (LBS)

(Equipment consists only of a single major operating component.)

### OPERATIONAL CHARACTERISTICS

TACTICAL USE: Life rafts afloat, surface craft or land.

INSTALLATION: Life rafts, ground portable.

APPROXIMATE RANGE (IN MILES): Short to medium.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -12, -18, -19, -27, -29, -30, -33, -34, -36;  
AN/CRC-2; AN/FRC-7; AN/GRC-16, -27, -29, -30, -32; AN/GRR-7; AN/GRT-3; AN/MRC-12, -20, -22;  
AN/PRC-14, -17, -20; AN/TRC-7, -32; AN/TRQ-1; AN/URC-4; AN/URR-9, -10, -12, -13, -21; AN/URT-7,  
-10; AN/VRC-1; BC-639, -640; MAR; MAY; MBS; R-137/GR, -279/GR; RBK; RBQ; RC-103, -256, -257;  
RCK; RCO; RDR; RDZ; SCR-522, -542, -573, -574, -575, -607, -616, -624, -641, -643, -644; TDG;  
TDQ; TDT; TDZ; TED; ARC Type 12; Wilcox 99A.

### TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 121.5 - 243.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Mcw, voice.

POWER OUTPUT: 50 mw.

POWER REQUIREMENTS: 1.575 w; 5.4 ~ 105 v, dc (from self-contained batteries) "B" voltage  
135 v, dc. "A" voltage 1.1 - 1.34 v, dc.  
Battery life: Transmitting 20 hours (approximate).  
Receiving 15 hours (approximate).

### PHYSICAL CHARACTERISTICS

Radio Set AN/PRC-17 measures 14-3/4 x 2-5/8 x 2-7/8 inches.